

Claims

We claim:

1. A patient-centered integrated health care record for a health
care system, comprising:

a common data repository for storing patient-related information
including information related to health care delivery for a patient, and information
related to health care delivery management for the patient.

2. The integrated health care record of claim 1 wherein the
common data repository includes a storage media, and patient-related information is
stored as formatted data on the storage media.

3. The integrated health care record of claim 2 further comprising
a database residing on the storage media, wherein the formatted data is stored in the
database.

4. The integrated health care record of claim 1 wherein the
common data repository includes a storage media, and patient-related information is
stored as a link to formatted data on the storage media.

5. The integrated health care record of claim 4 further comprising
a file stored on the storage media and including the formatted data, wherein the link is
an address link to the file for accessing the formatted data.

6. The integrated health care record of claim 4 further comprising
a plurality of files stored on the storage media, the plurality of files including the
formatted data, wherein the link is an address link to at least one of the files for
accessing the formatted data.

7. The integrated health care record of claim 1 wherein the common data repository includes a storage media, and wherein patient-related information is provided as elements of a category list, and patient-related information is stored as a selection from the category list.

8. The integrated health care record of claim 1 wherein the common data repository includes a plurality of storage media for storing the patient-related information.

9. The integrated health care record of claim 1 wherein the common data repository includes a storage media, the storage media comprising at least one of a hard disk, a computer diskette, a compact disc, and a magnetic tape.

10. The integrated health care record of claim 1 wherein the information related to the health care delivery includes at least one of personal medical information and medical history.

11. The integrated health care record of claim 10 wherein the personal medical information includes at least one of information regarding patient allergies, current medical conditions, and encounters with health providers.

12. The integrated health care record of claim 10 wherein the medical history includes at least one of immunizations, past medical conditions, past medical procedures, laboratory results, family medical history, social history, and medical risk factors.

13. The integrated health care record of claim 1 wherein the information relating to health care delivery management includes at least one of risk management information, financial information, patient demographic information, security information, scheduling information, patient status information and hospital structure information.

14. The integrated health care record of claim 13 wherein the risk management information includes information related to at least one of payors, medical coverages, medical benefits and billing information.

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15. The integrated health care record of claim 13 wherein the financial information includes at least one of account balances, charges and payments.

16. The integrated health care record of claim 13 wherein the patient demographics information includes at least one of patient address, employer information, emergency contacts, and religious contacts.

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17. The integrated health care record of claim 13 wherein the security information includes at least one of service areas, primary care physician information, and restricted status flags.

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18. The integrated health care record of claim 13 wherein the scheduling information includes information related to at least one of providers, types of appointment, availability of appointment, reason for visiting, future arrival status, past arrival status, and multiple notes.

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19. The integrated health care record of claim 13 wherein the patient status information includes at least one of inpatient status, ambulatory status, registration status, and past patient identifications.

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20. The integrated health care record of claim 13 wherein the hospital structure information includes at least one of hospital unit information, hospital room number and hospital bed number.

21. The integrated health care record of claim 1 wherein the patient-related information is stored in a common format in the common data

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repository.

22. The integrated health care record of claim 1 wherein the patient-related information is not duplicated on the common data repository.

23. A health care system comprising:

a patient-centered integrated health care record including information related to health care delivery for a patient, and information related to health care delivery management for the patient; and

5 a system user interface in communication with the integrated health care record for accessing the integrated health care record.

24. The health care system of claim 23 wherein the information related to the health care delivery includes at least one of personal medical
10 information and medical history.

25. The health care system of claim 23 wherein the information relating to health care delivery management includes at least one of risk management information, financial information, patient demographic information, security
15 information, scheduling information, patient status information and hospital structure information.

26. The health care system of claim 23 further comprising a lock manager in communication with the patient-centered integrated health record and the
20 system user interface, the lock manager controlling the system users access for writing information to the patient-centered integrated health care record.

27. The health care system of claim 26 wherein the lock manager includes a write token, the possession of which enables the system user to write
25 information to the patient-centered integrated health care record.

28. The health care system of claim 27 further comprising a plurality of system users in communication with the patient-centered integrated health care record via respective system user interfaces, and further comprising a write token
30 information message displayed by the health care system to one system user requesting the write token for the patient-centered integrated health care record where

another system user is in possession of the write token for that patient-centered integrated health care record.

5 29. The health care system of claim 28 wherein the write token information message includes information regarding a system user identification for the one system user in possession of the write token, a system user interface identification for the one system user, and a time that the write token was granted to the one system user.

10 30. The health care system of claim 27 wherein the patient-centered integrated health care record includes a plurality of accessible portions, each portion having a corresponding write token, where possession of a write token enables the system user to write information to the corresponding portion of the patient-centered integrated health care record.

15 31. The health care system of claim 23 further comprising a plurality of patient-centered integrated health care records, each of the patient-centered integrated health care records including information related to health care delivery and information related to health care delivery management for a
20 corresponding patient.

25 32. The health care system of claim 31 wherein the plurality of patient-centered integrated health care records are indexed in the integrated health care record by a patient identification.

 33. The health care system of claim 23 wherein the patient-centered integrated health care record resides on storage media.

30 34. The health care system of claim 33 wherein the storage media includes at least one of a hard disk, a computer diskette, a compact disc, and a magnetic tape.

35. The health care system of claim 23 further comprising a plurality of system users and corresponding system user interfaces, wherein more than one system user has access to the patient-centered integrated health care record at a given instant in time.

36. The health care system of claim 35 wherein information changed in the integrated data record by one system user is substantially instantaneously available to other system users accessing the patient-centered integrated health care record.

37. The health care system of claim 35 wherein information changed in the patient-centered integrated health care record by one system user is available to other system users accessing the patient-centered integrated health care record upon refreshing of the other user's corresponding system user interface.

38. The health care system of claim 23 further comprising a security system in communication with the patient-centered integrated health care record and the system user interface for restricting the system user's access to the patient-centered integrated health care record.

39. The health care system of claim 38 wherein the patient-centered integrated health care record includes security information related to the system user, where the security system restricts the system user's access to the patient-centered integrated health care record based on the security information.

40. The health care system of claim 39 further comprising an emergency access system in communication with the security system and the system user interface for providing the system user with emergency access to the patient-centered integrated health care record.

41. The health care system of claim 23 further comprising an audit

system in communication with the integrated health care record and the system user interface for maintaining information relating to accesses of the patient-centered integrated health care record by the system user.

5 42. The health care system of claim 41 wherein the information relating to access of the patient-centered integrated health care record includes at least one of an access time of, a portion accessed of, and activities performed on the patient-centered integrated health care record.

10 43. The health care system of claim 23 further comprising at least one software functionality for interfacing with the patient-centered integrated health care record, the at least one software functionality including at least one of registration, admission, discharge and transfer, accounting, risk management, inpatient clinical system, ambulatory EMR, web-based access, triage/call center, scheduling and OR management functionalities.

15 44. The method of claim 43 further comprising a plurality of patient-centered integrated health care records, each of the patient-centered integrated health care records including information related to health care delivery and
20 information related to health care delivery management for a corresponding patient.

25 45. The health care system of claim 44 wherein at least one software functionality includes duplicate patient-centered integrated health care record prevention functionality.

30 46. The health care system of claim 45 wherein the duplicate patient-centered integrated health care record prevention functionality is performed using at least one of patient name, address, identification number, age, gender, social security information, e-mail address and alias.

47. A method for providing health care comprising:
storing information related to health care delivery for a patient, and
information related to health care delivery management for the patient in a patient-
centered integrated health care record; and
5 providing access to the integrated health care record for a system user
via a system user interface.

48. The method of claim 47 wherein the storing of information
related to the health care delivery includes storing at least one of personal medical
information and medical history.
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49. The method of claim 47 wherein the storing of information
relating to health care delivery management includes storing at least one of risk
management information, financial information, patient demographic information,
security information, scheduling information, patient status information and hospital
structure information.
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50. The method of claim 47 further comprising controlling the
system user's access for writing information to the patient-centered integrated health
care record using a lock manager.
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51. The method of claim 50 wherein the lock manager includes a
write token, and further comprising transferring the write token to the system user
thereby enabling the system user to write information to the patient-centered
integrated health care record.
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52. The method of claim 51 wherein a plurality of system users are provided access to the patient-centered integrated health care record via respective system user interfaces, one of the system users possessing the write token for the patient-centered integrated health care record, and another of the system users requesting the write token for the patient-centered integrated health care record, and further comprising

generating a write token information message, and
displaying the write token information message on the system interface of the another system user.

53. The method of claim 52 wherein the generating the write token information message includes generating the write token information message with information regarding a system user identification for the one system user in possession of the write token, a system user interface identification for the one system user, and a time that the write token was granted to the one system user.

54. The method of claim 47 wherein the storing of the information as the patient-centered integrated health care record includes storing a plurality of accessible portions of the patient-centered integrated health care record, and further comprising providing a plurality of write tokens, each write token corresponding to an accessible portion of the patient-centered integrated health care record, where each write token enables the system user to write information to the corresponding portion of the patient-centered integrated health care record.

55. The method of claim 47 wherein the storing comprises storing a plurality of patient-centered integrated health care records, each patient-centered integrated health care record including information related to health care delivery and information related to health care delivery management for a corresponding patient.

56. The method of claim 55 further comprising indexing the plurality of patient-centered integrated health care records by a patient identification.

57. The method of claim 47 wherein the storing information comprises storing information on storage media.

58. The method of claim 57 wherein the storing information on storage media includes storing information on at least one of a hard disk, a computer diskette, a compact disc, and a magnetic tape.

59. The method of claim 47 further comprising providing access to the patient-centered integrated health care record to a plurality of system users via a plurality of corresponding system user interfaces, wherein more than one system user has access to the patient-centered integrated health care record at a given instant in time.

60. The method of claim 59 further comprising updating system user interfaces for system users accessing the patient-centered integrated health care record where information corresponding to the patient-centered integrated health care record is altered.

61. The method of claim 47 further comprising restricting the system user's access to the integrated health care record using a security system.

62. The method of claim 61 further comprising providing security information in the patient-centered integrated health care record defining the system user access, wherein the restricting access is controlled by the security system based on the security information.

63. The method of claim 61 further comprising providing a system user with emergency access to the patient-centered integrated health care record using an emergency access system.

64. The method of claim 47 further comprising maintaining

information relating to system user accesses of the patient-centered integrated health care record by an audit system.

65. The method of claim 64 wherein the maintaining information includes maintaining information regarding at least one of an access time of, a portion accessed of, and activities performed on the patient-centered integrated health care record by the system user.

66. The method of claim 47 further comprising providing at least one software functionality for interfacing with the patient-centered integrated health care record, where the at least one software functionality includes at least one of registration, admission, discharge and transfer, accounting, risk management, inpatient, ambulatory, web-based access, triage/call center, scheduling and OR management functionalities.

67. The method of claim 66 further comprising storing a plurality of patient-centered integrated health care records, each of the patient-centered integrated health care records including information related to health care delivery and information related to health care delivery management for a corresponding patient.

68. The method of claim 67 wherein the providing of the at least one software functionality includes providing duplicate patient-centered integrated health care record prevention functionality.

69. The method of claim 68 wherein the providing of the duplicate patient-centered integrated health care record prevention functionality includes performing duplicate prevention using at least one of patient name, address, identification number, age, gender, social security information, e-mail address and alias.